

“Emergence and Innovation” Project Report form

This report shall provide information on results and impacts of your “Emergence and Innovation” project funded by A*MIDEX.

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Feel free to add to this report all the documents illustrating the implementation of your project (e.g. publications)

I. General Information

| | |
|--------------------------|--------------------------------------------------------------|
| Title of the project | The dynamics of inequalities and their perceptions - DynIPer |
| Reference of the project | A*M-AAP-EI-13-01-130109-17.07-DynIPer-SCE |
| Project manager | Michel LUBRANO (with the help of Thomas Seegmuller) |
| Research Units involved | GREQAM, Labex AMSE |

II. Qualitative data

1. Main activities and achievements (2 pages maximum)

Please remind the objectives for the reporting period of the project.

Provide a description of:

- the activities carried out since the start of the project and the main outcomes;
- if relevant, the difficulties you may have experienced and how you tackled them

The main theme of the research program was to study the dynamics of social and economic inequalities and their representations. This program involved several fields represented at GREQAM, namely economic philosophy, micro-economics, macro-economics and econometrics.

More precisely, from a *philosophical point of view*, the existence of inequalities can be justified by the need to reward differences in talents generated by the genetic lottery and by differences in effort. However, inequalities can be generated by many other factors. Within a generation, inequalities can be generated by social networks which have become a major field of research in micro-economics. Inequalities between the generations is among other things concerned with environmental problems and sustainable growth. Therefore, environmental justice is a field that was developed during the period of the contract.

The *macroeconomic part* of the project starts with the fact that growth is strongly affected by inequalities. The role of public policies that aim to promote growth and reduce inequalities has to be addressed. Should such policy be in accordance with a long run sustainable and stable development is therefore an important question. From a *micro-economic point of view*, the behaviour of an individual can be seriously affected by the characteristics and the behavior of his peers, in particular in terms of educational choices and fertility decisions. However, the way in which networks can generate inequalities as well as the analysis of the dynamics of these inequalities induced by the dynamics of the social networks are two issues that have received little attention in the literature. An *econometric approach* using household survey data in panel is essential to qualify both the dynamics of inequalities and their perception. For instance, the preference for redistribution has to be explained either in a model of dynamic income or in relation with other opinions concerning the origin of poverty (circumstances or lack of effort). And new econometric techniques were developed during the program to answer those questions.

The research activities of the project started with the recruitment of two post doctoral positions. After several interviews by Skype, the two best candidates were:

- Malgorzata Dereniowska, from Poland holding a PhD in Philosophy. Her main domain is in Environmental Justice.
- Paolo Melindi Ghidi from Belgium holding a PhD in Economics. His spectrum covers a vast domain, from Environmental justice to macro-dynamics. He was a keystone to promote relationships with the University of Louvain.

The gathering of data-bases was launched in March 2014 when recruiting an internship student from the Engineering School in Tunis ESSAIT (Ecole Supérieure de la Statistique et de l'Analyse de l'Information). This student managed to collect the data-bases from the BHPS (UK), GSOEP (Germany), PISA (education data from the OECD survey), World Value Survey. He stayed for four months. His work was essential for the starting work of a new PhD student.

Collective work was organized around six different workshops held at Greqam Vieille Charité over the period of the contract. They gathered members of the team and members of foreign universities, around 25 in number.

- 1) January 2014: one day opening workshop
- 2) March-April 2014: specialized workshop around statistical inference for income mobility, four sessions
- 3) July 2014, continuing general workshop
- 4) November 2014: one day workshop on Environmental risks, health

inequalities and well-being

5) February 2015: half a day workshop on accessing the GSOEP

6) May 2015, two day workshop: The multiple dimensions of inequality

A final conference with four invited speaker will take place 26-27 May 2016.

We can detail some of the results obtained in each of the fields covered by the project.

Ethics and the sense of justice: Claude Gamel in *Essai sur l'économie de l'égalitarisme libéral*, Revue d'Economie Politique (2015), shows that in *The Idea of Justice*, Sen firmly criticizes “transcendental” theories of justice, the archetype of which is to be found in Rawls’ works and he suggests substituting for them a more pragmatic “comparative” approach. In *Macrojustice*, Kolm defends his conception of an “endogenous social choice”, which induces him to keep at a distance Rawlsian concepts, such as “original position” and “veil of ignorance”, he considers as too abstract. Concerning Rawls himself, he has offered a philosophical formulation of the second principle of justice (“fair equality of opportunity” and “principle of difference”) but that sole formulation remains too vague to contain precise proposals in the field of economic and social policy. In spite of real differences at an epistemological level about the meaning of their own normative ideas, Sen, Kolm and Rawls can be considered as “liberal egalitarians”, but economics of this school of thought is still to be specified: The Rawlsian hierarchy between the principles de justice would give our essay its general framework, whereas Sen’s “capability approach” would legitimize a more ambitious conception of “fair equality of opportunity” and Kolm’s distributive “ELIE transfers” would be a suitable application of the “principle of difference”.

Environmental justice: Malgorzata Dereniowska, Jean-Sébastien Gharbi and Yves Meinard in *The ethical underpinnings of environmental economic methods*, submitted to Oryx, (2015), develop the idea that the term “social-environmental inequalities” emphasizes the difference, mutual causality, and links between the social and the environmental. It implies the need to investigate environmental issues and qualitative social problems, even if often social and environmental values seem to stand in opposition. Indeed, social-environmental inequalities involve conflicting values and approaches in accounting for risks and opportunities. The challenge to address the conflict of values in search for “our common future” motivates expanding perspectives and modes of inquiry.

Networks: Renaud Boulès, Yann Bramoullé and Eduardo Perez-Richet in *Altruism in networks*, (2015) working paper, show that private transfers through social networks constitute a main source of redistribution, both in developing and developed economies. However, little is known on how private transfers are

affected by the structure of the social network and of their interactions with public transfers. By providing the first analysis of altruism in networks, our team has developed one of the first systematic studies of these questions. We assume that agents are embedded in a fixed network and care about the well-being of their neighbors. We characterize how consumptions and transfers depend on incomes and on the altruistic network. We find that the network has a first-order impact. While altruistic networks reduce inequality, an expansion in altruism can increase inequality. Public redistribution can also interact in perverse ways with private transfers. Reducing income inequality can increase consumption inequality when public transfers divert resources away from rich individuals belonging to poor communities.

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Microeconomics: E. Danan, T. Gajdos and J.-M. Tallon in *Harsanyi's aggregation theorem with incomplete preferences* (2015), American Economic Journal, provide a generalization of Harsanyi's aggregation theorem to the case of incomplete preferences at the individual and social level. Individuals and society have possibly incomplete expected utility preferences that are represented by sets of expected utility functions. Under Pareto indifference, social preferences are represented through a set of aggregation rules that are utilitarian in a generalized sense. Strengthening Pareto indifference to Pareto preference provides a refinement of the representation.

Macroeconomics: Kazuo Nishimura, Carine Nourry, Thomas Seegmuller and Alain Venditti in *On the (de)stabilizing effect of public debt in a Ramsey model with heterogeneous agents*, International Journal of Economic Theory, 11, 7-24, 2015, introduce public debt in a Ramsey model with heterogeneous agents and a public spending externality affecting utility which is financed by income tax and public debt. They show that public debt considered as a fixed portion of GDP can have a stabilizing or destabilizing effect, depending on some fundamental elasticities. When the public spending externality is weak and the elasticity of capital-labor substitution is low enough, public debt can only be destabilizing, generating damped or persistent macroeconomic fluctuations. However, when the public spending externality and the elasticity of capital-labor substitution are strong enough, public debt can be stabilizing, driving to monotone convergence an economy experiencing damped or persistent fluctuations without debt. They analyze the consequences of these phenomena on income inequality between the heterogeneous agents.

Econometrics: Franck Cowell and Emmanuel Flachaine in *Measuring mobility*, working paper 2014, develop a new approach to mobility measurement which involves separating out the valuation of positions in terms of individual status (using income, social rank, or other criteria) from the issue of movement between positions. The quantification of movement is addressed using a general concept of

distance between positions and a parsimonious set of axioms that characterize the distance concept and yield a class of aggregative indices. This class of indices induces a superclass of mobility measures over the different status concepts consistent with the same underlying data. They investigate the statistical inference of mobility indices using two well-known status concepts, related to income mobility and rank mobility.

Of course, there were some difficulties in the organization of the project, just because of the importance of the team and the varieties of approaches. These difficulties were solved by including a second member for leading the project: Thomas Seegmuller.

2. Perspectives: opportunities and risks (2 pages maximum)

Please describe the opportunities in terms of research impact, scientific innovation, transfer outcomes and international recognition. If you have identified risks jeopardizing the implementation / impact of the project, please notify them and describe the planned actions to tackle them.

The opportunities open by this research program were very important. First of all, if was possible to recruit two postdoctoral positions. The process was selective for the quality of the recruited candidates, but most of all the candidates were recruited on a particular program. They were an important tool of coordination and integration. They had an important impact on the work of the other researchers of the team.

The research program was an important tool of integration also for a foreign visitor (Tareq Sadeq from the university of Birzeit, Palestine) who stayed one year at GREQAM and who was also working on the theme of economic inequalities and the dynamics of poverty.

Finally, with this research program, we managed to recruit two research assistants. As already said, Khaled ben Jemaa (ESSAIT, Tunisia) help a lot at the starting of the project. Zhou Xun was recruited as a research assistant at the end of his PhD for one year. This was a great opportunity for continuing the research in the econometric program.

The DynIPer program was efficient in increasing the international visibility of GREQAM in the field of economic inequalities. Several foreigners took part in the different workshops that we organized. In May 2016, we shall organize an international conference at the occasion of the official end of the contract. Four invited speaker have agreed to participate as keynote speakers: Stephen Jenkins from the LSE, Simon Caney from Oxford University, Jess Benhabib from New-York University and Stephen Durlauf from University of Wisconsin.

The theme covered by DynIPer is important and widely recognized at the international level. Just before starting the DynIPer project, Tony Atkinson was awarded a Doctorate Honoris Causa from the Université de la Méditerranée at the

initiative of Greqam members who were soon to start the DynIPer project. Today, Angus Deaton from Princeton has just received the Nobel Prize in Economics for *his analysis of consumption, poverty, and welfare*.

The transfers outcomes were as usual in the field of Social Sciences. Around 30 papers were published in international journals during the period covered by the contract. Most members of the team took part in international conferences where they presented their work. Emmanuel Flachaire has stayed for one year at the University MacGill in Montreal where he had the opportunity of creating new scientific links. Jean-Sébastien Gharbi stayed for three month in Louvain at the Chaire Hoover, financed by the project.

Thibault Gajdos is the author a regular chronicle in the newspaper Le Monde. On the 17th July 2015, his chronicle was devoted to the analysis of inequalities between pensioners and young workers after the 2008 financial crisis.

2. Interaction with other “Investissement d’Avenir”-labeled projects and A*MIDEX laureates (half a page maximum)

If the project is related to Labex, other IA-labeled projects (Equipex, Idefi...) or A*MIDEX laureates, describe a significant common achievement.

The project was hosted by GREQAM which belongs to the Labex AMSE. We had no interaction with the other laureates of the Emergence et Innovation program, because these laureates were working in totally different fields. However, there were contacts which were established with the other Labex OT-MED, of which Greqam is a member. Environmental justice was the main link.

III. Indicators

Please fill in the tables below.

a. Post-doctoral fellows: selection and funding

| | Publication of a call for application | Number of candidates | selectivity rate % |
|------------------------|--------------------------------------------|----------------------|--------------------|
| Malgorzata Dereniowska | Publication on Academic Positions websites | 10 | 10% |
| | If other, please specify: | | |
| Paolo Melindi Ghidi | Publication on Academic Positions websites | 10 | 10% |
| | If other, please specify: | | |

Please specify if there is a co-funding

| | | |
|----------------|---------------------|---------------------------|
| Name - Surname | Select your choice. | If other, please specify: |
| Name - Surname | Select your choice. | If other, please specify: |

Please insert additional rows as necessary

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b. PhD students: selection, funding and supervision

| | Publication of a call for application | Number of candidates | selectivity rate % |
|----------------|-------------------------------------------------|----------------------|--------------------|
| Name - Surname | Select your choice If other, please specify: | | % |
| Name - Surname | Select your choice If other, please specify: | | % |

| | Please specify the type of funding | |
|----------------|------------------------------------|---------------------------|
| Name - Surname | Select your choice. | If other, please specify: |
| Name - Surname | Select your choice. | If other, please specify: |

| | Indicate if PhDs are co-supervised. If Yes, please specify the partner University |
|----------------|-----------------------------------------------------------------------------------|
| Name - Surname | |
| Name - Surname | |

Please insert additional rows as necessary

| c. Student trainees – Incoming mobility | | |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------|
| | Number of trainees receiving incoming mobility scholarships by A*MIDEX* | Selectivity rate % |
| 2013-2014 (relevant if the project was selected in 2013) | | % |
| 2014-2015 | | % |
| Provide an outline of the selection process for the trainees who were recipients of a student mobility scholarship. | | |
| | | |

| d. Did participants to this project obtain a scientific recognition? | | |
|----------------------------------------------------------------------|--------|-----|
| Yann BRAMOULE | GREQAM | ERC |
| Raouf BOUCEKKINE | GREQAM | IUF |

Please insert additional rows as necessary

| e. Publications | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------|--------------------------------|----------------------|--------------------------------------------|
| Date | Authors | Title | Journal | Status | Doi | Impact factor | Co-signers |
| 2014 | Michel Lubrano and Abdoul Aziz Junior Ndoye | Bayesian unconditional quantile regression: an analysis of recent expansions in wage structure and earnings inequality in the US 1992-2009 | <i>Scottish Journal of Political Economy</i> | Article published | DOI:10.1111/sjpe.12038 | 0.286 | |
| 2014 | Michel Lubrano and Abdoul Aziz Junior Ndoye | Income Inequality Decomposition using a Finite Mixture of Log-normal Distributions: A Bayesian Approach | <i>Computational Statistics and Data Analysis</i> | Article published | doi:10.1016/j.csda.2014.10.009 | 1.400 | |
| 2015 | Zhou Xun and Michel Lubrano | Simulation estimation of two-tiered dynamic panel Tobit models with an application to the labour supply of married women: a comment | <i>Journal of Applied Econometrics.</i> | Article published | DOI: 10.1002/jae.2434 | 1.673 | |
| 2015 | A. Charpentier, and E. Flachaire | Log-transform kernel density estimation of income distributions | <i>L'actualité économique</i> | Article accepted | | 0.223 | publication co-signed with foreign partner |
| 2015 | F. Cowell, R. Davidson and E. Flachaire | Goodness of Fit: an axiomatic approach | <i>Journal of Business & Economic Statistics</i> | Article published | | 2.928 | publication co-signed with foreign partner |
| 2014 | A.S. Allen, Burgess, R. Davidson, and F. Windmeijer | More Reliable Inference for the Dissimilarity Index of Segregation | <i>Econometrics Journal</i> | Article accepted | | 0.818 | publication co-signed with foreign partner |
| <p>Christophe Muller (2014) A Test of Separability of Consumption and Production Decisions of Farm Households in Ethiopia,” <i>Journal of Poverty Alleviation and International Development</i>, Volume 5, Number 1, pp. 1-18, June 2014.</p> <p>Christophe Muller and C.J. Nordman (2014) Task Organization, Human Capital and Wages in Moroccan Exporting Firms, <i>Middle East Development Journal</i>, December 2014.</p> <p>K. Nishimura, Carine Nourry, Thomas Seegmuller and Alain Venditti (2015) "On the (de)stabilizing effect of public debt in a Ramsey model with heterogeneous agents", <i>International Journal of Economic Theory</i>, 11, 7-24, 2015.</p> <p>K. Nishimura, Thomas Seegmuller and Alain Venditti (2015) Fiscal policy, debt constraint and</p> | | | | | | | |

expectation-driven volatility. A paraître dans *Journal of Mathematical Economics*.

Frederic Dufourt, K. Nishimura and Alain Venditti (2015) Sunspot fluctuations in two-sector RBC models : new results with additively-separable preferences. A paraître dans *International Journal of Economic Theory*.

Robert Becker, Stefano Bosi, Cuong Le Van and Thomas Seegmuller (2015) On Existence and Bubbles of Ramsey Equilibrium with Borrowing Constraints", *Economic Theory* 58, p. 329-353.

T. Baudin, David De la Croix and P. Gobbi (2015) Fertility and childlessness in the United States, *American Economic Review*, **105**, 1852-1882, 2015.

David De la Croix and F. Mariani (2015) From Polygyny to Serial Monogamy: a Unified Theory of Marriage Institutions, *Review of Economic Studies*, **82**, 565-607, 2015.

Raouf Boucekkine, G. Fabbri and F. Gozzi (2014) Egalitarianism under population change: Age structure does matter. *Journal of Mathematical Economics*, forthcoming.

Raouf Boucekkine and N. Bonneuil (2014) Viable Ramsey economies. *Canadian Journal of Economics* 47, 422-441.

Raouf Boucekkine, Fabien Prieur and K. Puzon (2014) The dynamics of lobbying under uncertainty: on political liberalization in Arab countries. *Dynamic Games in Economics*, J. Haunschmied, V. Veliov and S. Wrzaczek (Eds.), Springer-Verlag: Berlin, pp 69-88.

Tom Dedeurwaerdere, A. Brogiatto and Paolo Melindi Ghidi (2016) Global scientific research commons under the Nagoya Protocol: towards a collaborative economy model for the sharing of basic research assets", forthcoming in *Environmental Science and Policy*, Volume 55, Part 1, January 2016, Pages 1–10.

Tom Dedeurwaerdere, Paolo Melindi Ghidi and Polard, A. (2015) “The role of network bridging organisations in compensation payments for agro-environmental services under the EU Common Agricultural Policy", forthcoming in *Ecological Economics*, Volume 119, November 2015, Pages 24–38.

E. Danan, T. Gajdos and J.-M. Tallon (2015) Harsanyi's aggregation theorem with incomplete preferences, *American Economic Journal: Microeconomics*, 7(1), 61-69 (2015).

Olivier Chanel, Graciela Chichilnisky, Sébastien Massoni and Jean-Christophe Vergnaud (2014) Exploring the role of emotions in decisions involving catastrophic risks: Lessons from a double investigation. To appear in the *Handbook on the Economics of Climate Change*.

John E. Roemer and Alain Trannoy (2014) Equality of opportunity. In *Handbook of Income Distribution*, Chap. 4, Vol 2A.

Frédéric Deroian and Mohamed Belhaj (2014) Competing Activities in Social Networks, forthcoming in the *Berkeley Electronic Journal of Economic Analysis and Policy*.

Yann Bramoullé and Rachel Kranton (2015) Games Played on Networks,” *Oxford Handbook on the Economics of Networks*, eds. Yann Bramoullé, Andrea Galeotti and Brian Rogers, forthcoming.

Mohamed Belhaj, Yann Bramoullé and Frédéric Déroian (2014) “Network Games under Strategic

Complementarities,” with, *Games and Economic Behavior*, November 2014, 88: 310-319.

Yann Bramoullé , Rachel Kranton and Martin d’Amours (2014) “Strategic Interaction and Networks”, *American Economic Review*, March 2014, 104 (3): 898-930.

Vincent Boucher, Yann Bramoullé, Habiba Djebbari and Bernard Fortin (2014) “Do Peers Affect Student Achievement ? Evidence from Canada Using Group Size Variation”, *Journal of Applied Econometrics*, January-February 2014, 29: 91-109.

Nicolas Gravel and Benoit Tarrow (2015) Robust Normative Evaluation of Socially Risky Situations, *Social Choice and Welfare*, 2015, 44 (2), p. 257-282.

Jean-Sébastien Gharbi and Yves Meinard (2015) On Non-Welfarism in Kolm’s ELIE Model of Income Redistribution, *Journal of Economic Methodology*, vol. 22, à paraître.

Claude Gamel (2015) Essai sur l’économie de "l’égalitarisme libéral". Une combinaison sélective des travaux de Rawls, Sen et Kolm », *Revue d’Economie Politique*, 125 (3).

Malgorzata Dereniowska and Jason P. Matzke (2014) Guest editor of the special issue “Environment, ethics, and sustainability: Crossroads of our future” of the journal *Ethics in Progress* 5(1) 2014.

Malgorzata Dereniowska and Jason P. Matzke (2014) “Introduction: Interdisciplinary Foundations for Environmental and Sustainability Ethics,” *Ethics-in-Progress*, 5(1)

Malgorzata Dereniowska (2014) Book review “Climate Change Ethics. Navigating the Perfect Moral Storm by Donald A. Brown. London and New York: Earthscann from Routledge, 2013,” *Ethics-in-Progress*, 5(1).

f. Patents.

| Date | Applicants | Title |
|------|------------|-------|
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| | | |
| | | |

g. Communications

Indicate the participation to national / international conferences or workshops
 Please specify the references of the oral communication(s) / poster (s), the date and the related event

Stephen Bazen (2015) Household income inequality and part-time employment: the role of dual earners during the financial crisis. (with Wiemer Salverda of University of Amsterdam). Conference of the Society for the Advancement of Socio-Economics, London School of Economics, July 2015.

Christophe Muller (2014) 8-9 May: Conference in China After 35 Years of Economic Transition in London, UK. "Fuel Use in Rural China"

- Christophe Muller (2014) 25-27 April: CEAFE Conference in Agadir, Morocco: “Task Organization, Human Capital and Wages in Moroccan Exporting Firms”
- Emmanuel Flachaire (2015) Conférence de la Société Canadienne de Sciences Economiques (SCSE), June 2015, Montreal, Canada
- Emmanuel Flachaire (2015) Conference of the Canadian Economic Association (CEA), June 2015 Toronto, Canada
- Emmanuel Flachaire (2014) Conference of the International Society for the Nonparametric Statistics (ISNPS), June 2014, Cadiz, Spain
- Michel Lubrano (2014) : 13th Journées LAGV, Aix-en-Provence, France - June 23-24, 2014: Globalization, income mobility and the preference for redistribution.
- Michel Lubrano (2014) International Initiative for Promoting Political Economy, September 16-18, Naples, Italy: Globalization, income mobility and the preference for redistribution.
- Michel Lubrano (2015) The RCEA 9th Rimini Bayesian Workshop, June 22-23, 2015. A Bayesian Look at American Academic Wages: The case of Michigan State University
- Russell Davidson (2014): Canadian Economics Association, Vancouver B.C., May 2014 (Scientific organizer)
- Russell Davidson (2014): Econometric Study Group Conference, Bristol, 3-5 July 2014
- Russell Davidson (2014): Canadian Econometric Study Group, Vancouver B.C., October 2014
- Russell Davidson (2014): Conference in Honor of Essie Maasoumi, Atlanta, Georgia, November 2014
- Russell Davidson (2015): Colloque CIREQ Montréal d'économétrie: Séries Temporelles et économétrie de la Finance, Montreal, May 2015
- Russell Davidson (2015): Société canadienne de science économique, Montreal, May 2015
- Russell Davidson (2015): Canadian Economics Association, Toronto Ontario, May 2015 (acting as a president of the association)
- Russell Davidson (2015): Econometric Study Group Conference, Bristol, 9-11 July 2015
- Russell Davidson (2015): International Conference on "Frontiers of Theoretical Econometrics" in celebration of Don Andrews' 60th birthday, Konstanz, Germany, August 2015
- Russell Davidson (2015): Econometric Society World Congress, Montreal, August 2015
- Russell Davidson (2015): Canadian Econometric Study Group, Guelph, Ontario, September 2015
- Alain Venditti (2013): BOE/CFM Conference on Macroeconomics – Understanding Low Growth”, London, December 2013.
- Alain Venditti (2014) Workshop on Finance in General Equilibrium”, Paris, January 2014.

Alain Venditti (2014) 31ème Conférence de l’AFFI”, IAE Aix-en-Provence, May 2014.

Alain Venditti (2014), Seminar at the Economic department, Vienna University, May 2014.

Alain Venditti (2014) ASSET meeting 2014, AMSE, November 2014.

Alain Venditti (2014) Anglo-French-Italian Macro Workshop, AMSE-GREQAM, December 2014.

Alain Venditti (2015) International Conference Financial and real interdependencies: volatility, inequalities and economic policies, Católica Lisbon School of Business and Economics, May 2015.

Alain Venditti (2015) 16th Annual Conference of Public Economic Theory Association”, University of Luxembourg, July 2015.

Alain Venditti (2015) 15th SAET Conference on Current Trends in Economics, University of Cambridge, July 2015.

Thomas Seegmuller (2013) Asia-Pacific Conference on Economic Dynamics, Ho Chi Minh, November 2013.

Thomas Seegmuller (2014) Journées Louis-André Gérard-Varet, Aix-en-Provence, June 2014.

Thomas Seegmuller (2014) Public Economic Theory Conference, Seattle, July 2014.

Thomas Seegmuller (2014) Workshop "La dynamique des inégalités et leur perception", Marseille January 2014.

Thomas Seegmuller (2014) 1ère conférence de la FAERE, Montpellier, September 2014.

Thomas Seegmuller (2014) 2nd Thematic meeting of the FAERE "Environmental Economics : Dynamic and Spatial Aspects", Nanterre, November 2014.

Thomas Seegmuller (2015) Seminar at the Economic Department, Université de Lille, April 2015.

Thomas Seegmuller (2015) Conference on Public Economic Theory 2015, Luxembourg University, July 2015.

Thomas Seegmuller (2015) Conférence SAET 2015, Cambridge, July 2015.

Paolo Melindi Ghidi (2014) The dynamics of Inequality and their perceptions, GREQAM, Marseille, May 2014

Paolo Melindi Ghidi (2014) IRES Lunch Seminar, Louvain-la-Neuve, Belgium, May 2014

Paolo Melindi Ghidi (2014) BIOGOV Workshop, Louvain-la-Neuve, Belgium, October 2014

Olivier Chanel (2014): *WCERE* 2014: Fifth World Congress of Environmental and Resource Economists, Istanbul, June 28th - July 2nd 2014.

Olivier Chanel (2015) 3rd WONV: Third Workshop on Non-market Valuation, Nancy, June 22nd-23rd 2015.

- Yann Bramoullé (2015) Altruism in networks, Third European meeting on networks, Cambridge.
- Yann Bramoullé (2015) Altruism in networks, Journées Louis-André Gérard Varet, Aix-en-Provence.
- Yann Bramoullé (2014) Altruism in networks, AFSE, Lyon.
- Yann Bramoullé (2014) Altruism in networks, Social networks and matching processes, Oxford.
- Yann Bramoullé (2014) Altruism in networks, Coalition Theory Network, Brussels.
- Malgorzata Dereniowska and Jean-Sébastien Gharbi (2015) Journée d'étude *Régulation, Droits et Garanties*, Université Paris 1 Panthéon-Sorbonne, 2nd June 2015. Title of the presentation: « Droits environnementaux et droits des générations futures dans la gouvernance soutenable »
- Malgorzata Dereniowska and Jean-Sébastien Gharbi (2015) *Séminaire Vives de la Chaire Hoover d'éthique économique et sociale*, Louvain-la-Neuve, Belgique, 28 octobre 2014. Title of the presentation: « Procedural Rationality and Procedural Justice. In Search of the 'Liberal' Rationality »
- Malgorzata Dereniowska and Jean-Sébastien Gharbi (2015) *2nd International Conference Economic Philosophy*, Strasbourg University, 9-10 October 2014. Title of the presentation: « Procedural Rationality and Procedural Justice. In Search of the 'Liberal' Rationality »
- Jean-Sébastien Gharbi (2014) *Séminaire "Les mardis intimes de la Chaire Hoover"*, Université Catholique de Louvain, Louvain-la-Neuve, Belgique, 23 September 2014. Title of the presentation: « Just Taxation according to Kolm: the Tax Base Issue ».
- Malgorzata Dereniowska and Jean-Sébastien Gharbi (2014) *Second DynIPer Workshop*, Marseille, Université d'Aix-Marseille, 1st July 2014. Title of the presentation: « Social-Environmental Inequalities: Sustainability and Capability Approach »
- Malgorzata Dereniowska and Jean-Sébastien Gharbi (2015) *IRCS-SENSE Summer School on Urban Transitions to Sustainability*, Reims, Université de Reims Champagne-Ardennes, 22-26 June 2014. Title of the presentation: « Sustainability through Considerations of Justice: Citizen Participation as Collective Capability »
- Malgorzata Dereniowska and Jean-Sébastien Gharbi (2015) Procedural Rationality and Procedural Justice, in Search of the Liberal Rationality”, *2nd International Conference Economic Philosophy*, Strasbourg University, Strasbourg, October 9th-10th, 2014.
- Malgorzata Dereniowska (2014) Ecosystem services as dependent on human perception: The role of human valuing in ecosystem services mapping” (with Joanna Piwowarczyk, Institute of Oceanology, Polish Academy of Science), *3rd ECOSERV Symposium on Ecosystem Services as a Subject of Transdisciplinary Research*, Adam Mickiewicz University and Polish Academy of Science, Poznań, Poland, September 25th-26th, 2014,
- Malgorzata Dereniowska (2014) Student in the Curriculum: Pluralism, Democracy, and Justice in Rethinking Economics Education” (with Ioana Negru, SOAS, University of London), *5th International Conference in Political Economy Crisis: Scholarship, Policies Conflicts and Alternatives*, University of Naples L'Orientale, Naples, Italy, September 16th-18th, 2014.
- Malgorzata Dereniowska (2014) Finding a Middle Ground Between Agonism and Deliberation: Integrity-Preserving Compromise and Moral-Democratic Competence” (with Jason P. Matzke, University of Mary Washington), *8th International Symposium on Moral-Democratic Competence & Conflict Resolution*, Konstanz University, Konstanz, Germany, July 28th- 30th,

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| <p>2014.</p> <p>Malgorzata Dereniowska and Jean-Sébastien Gharbi (2014) Social-environmental inequalities: sustainability and capability approach”, 2nd DynIPer Workshop, Marseille, Aix-Marseille University, July 1st, 2014.</p> <p>Malgorzata Dereniowska and Jean-Sébastien Gharbi (2014) Sustainability through considerations of justice: citizen participation as collective capability”, IRCS-SENSE Summer School on Urban Transitions to Sustainability, Reims, University of Reims Champagne-Ardenne, June 22th-26th, 2014.</p> <p>Claude Gamel « Justice sociale : Sen contre Hayek face à Rawls. Le contractualisme libéral <i>a contrario</i> consolidé », deuxième colloque international « Philosophie économique », Strasbourg, Bureau d'économie théorique et appliquée (BETA), 9-10 October 2014.</p> |
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h. Co-fundings of the project

Co-fundings by the A*MIDEX partnership members (CNRS, Inserm, CEA, IRD, ECM, IEP, APHM) or by other IA-labeled projects

| Co-funding | Please specify: | Amount (€) |
|-----------------------------------------|--------------------------------------|------------|
| A*MIDEX partnership members | The institution's name | |
| Labex | The Labex Acronym. | |
| Other IA-labeled project | The type of project and its Acronym. | |
| Non Applicable <input type="checkbox"/> | | |

Other co-fundings:

| Beneficiary of the funding | Co-founder ¹⁾ | Name of the co-founder | Nature of the cofunding ²⁾ | Amount committed by the cofounder for the project duration (€) | Amount already collected (€) |
|----------------------------|--------------------------|------------------------|---------------------------------------|----------------------------------------------------------------|------------------------------|
| Select your choice | Select your choice | | | | |
| Select your choice | Select your choice | | | | |
| Select your choice | Select your choice | | | | |
| Select your choice | Select your choice | | | | |
| Select your choice | Select your choice | | | | |
| Select your choice | Select your choice | | | | |

1) Co-founder:

- For **FEDER funds**, please allocate the amounts between "PUBLIC – LOCAL AUTHORITY" and "INTERNATIONAL – EUROPEAN COMMISSION «depending to the source of the funds.

- For **CPER funds**, please allocate the amounts between “PUBLIC – LOCAL AUTHORITY” and “PUBLIC –LOCAL GOVERNMENT” depending to the source of the funds.

2) Nature of the cofunding: please specify whether the funding is monetary, a contribution in kind (ex: premises, facilities...) or human resources.

Please insert additional rows as necessary

| i. Impact | | | | |
|----------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------|------------------------------|---------------------------------|
| Is a position open within the research units involved in your project to strengthen your research theme. | | | | |
| <input type="checkbox"/> | Yes | Please specify the research unit and the position type: | | |
| <input checked="" type="checkbox"/> | No | | | |
| Has your project yielded new partnerships? | | | | |
| <input type="checkbox"/> | Yes | Please specify : | | |
| | | The type of partnership. | The name of the partner(s): | |
| <input checked="" type="checkbox"/> | No | | | |
| Focus on new international partnership(s) (if applicable) | | | | |
| | Partner University | Status of the partnership | Nature of the partnership | Amount committed by the partner |
| Partnership 1 | | Status of partnership. | Select or specify the nature | |
| Partnership 2 | | | | |

IV. Conclusion

A*MIDEX's added value (2 pages maximum)

- To what extent did the A*MIDEX grant allow you to implement new activities that wouldn't have existed without the Excellence Initiative?
- Did you notice structuring effects or spill-over effects?
- Did you apply to French or International calls for proposals in relationship with the project? If yes, please specify the result or the progress of the process.

The A*MIDEX grant has allowed us to implement new activities that would have been difficult, if not impossible to start without this funding.

- First of all it was possible to recruit 2 post docs on a given theme. Both had a strong impact on the research activity of the team. Malgorzata Dereniowska, from the University of Gdansk developed the theme of

Environmental Justice. She got involved in the international initiative Philosophy-Economics Network (two of the co-founders, Claude Gamel and Jean-Sébastien Gharbi were members of the team). Malgorzata had a tremendous impact on the life of the lab because she managed to have interactions not only with members of the team, but also with environmentalist who were either members of Greqam or of our neighboring team, the Centre Norbert Elias. Paolo Melindi Ghidi, from the University of Louvain, is mainly a macroeconomist. He first helped to develop the relationships with Louvain. But he mainly started papers both with researchers and a PhD student.

- Second it was possible to recruit two research assistants. Khaled Ben Jemaa was first recruited for four months. He made possible collecting and organizing data bases for present and future work, in particular for PhD students. Zhou Xun was recruited for one year after his PhD. He helped finishing and publishing articles that he cosigned with the manager of the project.
- Finally, a final conference is scheduled in May 2016 with four invited speakers from foreign universities (LSE, Oxford, New-York and Wisconsin) that will contribute to the prestige of both Greqam and A*MIDEX.

The spill-over effects were quite important, especially for young researchers. Jean-Sébastien Gharbi got a MCF position in Reims (France), Zhou Xun got an associate professor position at Jiangxi University of Economics and Finance (China). Malgorzata Denierowska got a Post doc position for one year in Tel Aviv at the Edmond J. Safra Center for Ethics (Israel). Yann Bramouille, who is member of the team, was particularly concerned by the impact of networks on inequality. He got on that specific theme an ERC grant during the time of the contract. Also working on networks, Sebastian Bervoets got an ANR grant on that theme. Alain Venditti got an ANR grant on macroeconomic dynamics. Raouf Boucekkine was elected senior IUF member and became director of the IMERA.

Describe the main achievement which you consider to be the most important outcome of the project. (half a page maximum)

The main achievements of the project are twofold. First, the success of our young researchers on the academic job market, as detailed above. And second the high number of papers that the team managed to publish, and for some of them in top

journals. There are still some papers that still have the status of discussion papers, papers to which I alluded when detailing each field. Surely, these papers will be transformed in publications after the end of the grant.

Sustainability – Further development of the project (half a page maximum)

Please describe :

- how you might consider the continuation of the current project
- opportunities for developing new activities
- Specific aspects that could be improved in the future, in case of positive assessment of your project by A*MIDEX.

The project is sustainable for several reasons. The first reason is linked to its importance. Angus Deaton was given the Nobel Prize in Economics partly for his work on poverty and inequality measurement. So the theme around the dynamics of inequalities and their perception can be considered as a fundamental theme in nowadays research. The second reason is intrinsic to many research projects in economics. Due to the important lag between the writing of a discussion paper and its publication, long after the end of grant, papers will still appear with the acknowledgement to the A*MIDEX grant. Finally several PhD students entered our doctoral program working on a theme related to the project. At least for econometrics, Edwin Fourrier (2015) dissertation is about the dynamics of poverty with an application to Germany; Majda Benzidia (2014) dissertation is about inequalities in education and gender discrimination.

Date: 15/10/2015

Place: Marseille

Name of the project manager: Michel LUBRANO

Signature of the project manager:

